

WHAT IS CLAIMED IS:

1. A display device comprising:  
a display section with scanning lines;  
a scanning driver including output lines for  
supplying scanning signals to said scanning lines of  
said display section;

a judging unit for judging as to whether or not  
each of said scanning signals supplied from said  
scanning driver is defective, and for outputting the  
judging result; and

a switching unit for disconnecting the output  
line for supplying a scanning signal that said  
judging unit has judged as being defective, from the  
corresponding scanning line of said display section.

2. The device according to claim 1, wherein  
said judging unit judges as to whether or not at  
least one of said output lines of said scanning  
driver is fixed at a ground potential, and,

when said judging unit has judged that at least  
one of said output lines of said scanning driver is  
fixed at said ground potential, said switching unit  
disconnects the fixed output line from the  
corresponding scanning line of said display section.

3. The device according to claim 1, wherein  
said judging unit judges as to whether or not at  
least one of said output lines of said scanning  
driver is fixed at a power supply potential, and,  
when said judging unit has judged that at least

one of said output lines of said scanning driver is fixed at said power supply potential, said switching unit disconnects the fixed output line from the corresponding scanning line of said display section.

4. The device according to claim 1, wherein said judging unit judges as to whether or not at least one of said output lines of said scanning driver is disconnected, and,

when said judging unit has judged that at least one of said output lines of said scanning driver is disconnected, said switching unit disconnects the disconnected output line from the corresponding scanning line of said display section.

5. The device according to claim 1, wherein said switching unit disconnects all of said output lines of said scanning driver from all of said scanning lines of said display section when said judging unit has judged that at least two neighboring output lines of said scanning driver are defective.

6. The device according to claim 1, wherein said judging unit comprises a check transistor with its gate, source, and drain, said gate receiving a signal corresponding to the scanning signal on an output line of said scanning driver, and a judging section for checking as to whether or not a check signal is transmitted between said source and drain of said check transistor in response to said signal supplied to said gate of said check transistor, so as to judge

as to whether or not said scanning signal on said output line of said scanning driver is defective.

7. The device according to claim 6, wherein said gate of said check transistor is connected to said output line of said scanning driver.

8. The device according to claim 6, wherein said judging unit further comprises an AND circuit for performing an AND operation in relation to the scanning signals on two neighboring output lines of said scanning driver, said AND circuit having its output connected to said gate of said check transistor.

9. The device according to claim 6, wherein said switching unit comprises a transistor for disconnecting an output line of said scanning driver from the corresponding scanning line of said display section.

10. The device according to claim 9, wherein said switching unit comprises a CMOS transistor made up from an n-channel MOS transistor and a p-channel MOS transistor for disconnecting an output line of said scanning driver from the corresponding scanning line of said display section.

11. The device according to claim 10, wherein the gate of said n-channel MOS transistor is supplied with an output of said judging unit, the gate of said p-channel MOS transistor is supplied with the logically inverted signal of said output of said

judging unit, and the sources and drains of said n- and p-channel MOS transistors are connected to said output line of said scanning driver and said scanning line of said display section.

12. The device according to claim 9, wherein said display section, said scanning driver, said judging unit, and said switching unit are integrated on a single substrate.

13. The device according to claim 12, wherein said substrate is a glass substrate.

14. The device according to claim 13, wherein said display section comprises a transistor, and each of said transistor of said display section, said check transistor of said judging unit, and said transistor of said switching unit is a polysilicon thin-film transistor.

15. The device according to claim 1, wherein said display section has data lines, and said device further comprises first and second data drivers connected to said data lines of said display section for supplying data signals to said display section.

16. The device according to claim 15, further comprising:

a data signal judging unit for judging as to whether or not the data signal supplied from at least one of said first and second data drivers is defective, and for outputting the judging result, and

a data line switching unit for disconnecting the data line for supplying a data signal that said data signal judging unit has judged as being defective, from the corresponding data line of said display section.

17. The device according to claim 1, wherein said display section has data lines, and said device further comprises a data driver connected to said data lines of said display section for supplying data signals to said display section.

18. The device according to claim 17, wherein said data driver comprises a first data driver section for supplying data signals to some of said data lines of said display section, and a second data driver section for supplying data signals to the other of said data lines of said display section.

19. A liquid crystal display panel filled with liquid crystal material between a pair of substrates comprising:

a display section with scanning lines;  
a scanning driver including output lines for supplying scanning signals to said scanning lines of said display section;

a judging unit for judging as to whether or not each of said scanning signals supplied from said scanning driver is defective, and for outputting the judging result; and

a switching unit for disconnecting the output

line for supplying a scanning signal that said judging unit has judged as being defective, from the corresponding scanning line of said display section.

20. A driving method of a display device comprising a display section with scanning lines, and a scanning driver including output lines for supplying scanning signals to said scanning lines of said display section, said method comprising the steps of:

(a) judging as to whether or not each of said scanning signals supplied from said scanning driver is defective; and

(b) disconnecting the output line for supplying a scanning signal that has been judged as being defective, from the corresponding scanning line of said display section.